Index of Claims

| Application/C | ontrol No. |
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09/890,703 Examiner

NAKAGAWA ET AL.

Applicant(s)/Patent under Reexamination

Art Unit

Michael N. Opsasnick

2655

Rejected Allowed

(Through numeral) Cancelled

Restricted

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Interference

Appeal 0 Objected

| Cla                                    | aim                                                                                                      |                                     |          |                                                  |          | Date     | 9        |                                                  |                   |          |                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------|----------|--------------------------------------------------|----------|----------|----------|--------------------------------------------------|-------------------|----------|----------------|
| Final                                  | Original                                                                                                 | 9/4/05                              |          |                                                  |          |          |          |                                                  |                   |          |                |
|                                        |                                                                                                          | 1                                   |          | _                                                | -        |          |          | _                                                | _                 | $\vdash$ |                |
|                                        | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9                                                                | 1                                   |          |                                                  | _        | _        | ┢        | $\vdash$                                         | _                 |          |                |
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|                                        | 4                                                                                                        | <b>√</b>                            |          |                                                  | _        |          |          |                                                  |                   |          |                |
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|                                        | 8                                                                                                        | 1                                   |          |                                                  |          |          |          |                                                  |                   |          |                |
|                                        | 9_                                                                                                       | 1                                   |          |                                                  |          |          | _        | L                                                | L                 | L        |                |
|                                        | 10                                                                                                       | 1                                   |          | _                                                | _        |          | ļ        | _                                                |                   | _        |                |
|                                        | 11                                                                                                       | 0                                   | _        | <u> </u>                                         | _        | _        | <u> </u> | <u> </u>                                         |                   |          |                |
|                                        | 12                                                                                                       | 1                                   | -        | <u> </u>                                         | <u> </u> | <u> </u> | ├-       | ├                                                | _                 | $\vdash$ |                |
| <u> </u>                               | 11<br>12<br>13<br>14<br>15<br>16                                                                         | 7                                   |          | $\vdash$                                         | $\vdash$ | _        | $\vdash$ | <del> </del>                                     | <u> </u>          | $\vdash$ |                |
| <u> </u>                               | 14                                                                                                       | V                                   | _        | ├                                                | -        | <u> </u> | ├-       | Η.                                               | <u> </u>          | $\vdash$ |                |
|                                        | 10                                                                                                       |                                     |          | -                                                | -        | -        | ├        | $\vdash$                                         | _                 | $\vdash$ |                |
|                                        | 17                                                                                                       | 1                                   | -        | $\vdash$                                         | $\vdash$ | _        | ┢        | <del>                                     </del> |                   | -        |                |
| <u> </u>                               | 18                                                                                                       | 1                                   |          | ┢─                                               | $\vdash$ | ┝╾       |          | H                                                | _                 |          |                |
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|                                        | 20                                                                                                       | 1                                   |          | $\vdash$                                         | _        |          | l —      |                                                  |                   |          |                |
| -                                      | 21                                                                                                       | 1                                   |          | $\vdash$                                         | $\vdash$ | $\vdash$ | <b>-</b> | _                                                |                   |          |                |
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|                                        | 23                                                                                                       | 7 7                                 |          |                                                  |          |          |          |                                                  | _                 |          |                |
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|                                        | 25                                                                                                       | 7                                   |          |                                                  |          |          |          |                                                  |                   |          |                |
|                                        | 26                                                                                                       | 1                                   |          |                                                  |          |          |          |                                                  |                   |          |                |
|                                        | 18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35 | ٧                                   | L.       | L                                                |          | _        |          | $\Box$                                           | L                 |          |                |
| $\sqcup$                               | 28                                                                                                       | ٧                                   |          | <u> </u>                                         |          |          | L        |                                                  |                   |          |                |
|                                        | 29                                                                                                       |                                     | <u> </u> | <u> </u>                                         | _        | _        | <u> </u> |                                                  |                   |          |                |
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| <u> </u>                               | 31_                                                                                                      |                                     |          |                                                  | ⊢        |          | ┝        | -                                                | -                 | $\vdash$ |                |
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|                                        | 34                                                                                                       |                                     |          |                                                  | -        | H        | -        | -                                                | -                 | ┢        |                |
| H                                      | 35                                                                                                       | $\vdash$                            | _        | ┢╌                                               | -        |          | ┢╌       | $\vdash$                                         | -                 | ┢──      |                |
| <b></b>                                | 36                                                                                                       |                                     |          | <del>                                     </del> | _        | _        | $\vdash$ | $\vdash$                                         | $\vdash$          | $\vdash$ |                |
|                                        | 37                                                                                                       | Н                                   |          | $\vdash$                                         | _        | $\vdash$ | ┢        | $\vdash$                                         | $\vdash$          | $\vdash$ |                |
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|                                        | 40                                                                                                       |                                     |          |                                                  |          |          |          |                                                  |                   |          |                |
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|                                        | 43                                                                                                       |                                     |          | $\Box$                                           |          |          | L        | <u> </u>                                         |                   |          |                |
| $oxed{\Box}$                           | 44                                                                                                       | L                                   | L        | L                                                | <u> </u> | _        | L        | <u> </u>                                         | _                 |          |                |
| <u> </u>                               | 45                                                                                                       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        | L                                                | L        | L        | <u> </u> | <u> </u>                                         | <u> </u>          | ļ        |                |
| igwdap                                 | 46                                                                                                       | Ш                                   |          | $\vdash$                                         | <u> </u> | <u> </u> | <u> </u> | <u> </u>                                         | $ldsymbol{f eta}$ | <u> </u> |                |
| igwdapprox                             | 47                                                                                                       | <b>├</b>                            | _        | $\vdash$                                         | _        | _        | $\vdash$ | <u> </u>                                         | $\vdash$          | $\vdash$ |                |
| <u> </u>                               | 48                                                                                                       | _                                   |          |                                                  | _        | _        | $\vdash$ | $\vdash$                                         | <u> </u>          | $\vdash$ |                |
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| Cla   | aim                                                      | Date                |   |          |          |                                                  |          |          |              |          |   |
|-------|----------------------------------------------------------|---------------------|---|----------|----------|--------------------------------------------------|----------|----------|--------------|----------|---|
| Final | Original                                                 |                     |   |          |          |                                                  |          |          |              |          |   |
|       |                                                          | Щ                   |   | _        | _        |                                                  |          | _        |              |          |   |
|       | 51                                                       | $\sqcup$            |   | ļ        | L        | _                                                |          |          | _            | _        |   |
|       | 52<br>53<br>54<br>55                                     | $\vdash$            |   | _        | <u> </u> |                                                  |          | _        | <u> </u>     | <u> </u> | l |
|       | 53                                                       | $\vdash$            | _ | _        | <u> </u> |                                                  |          | _        | <u> </u>     | _        | l |
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|       | 55                                                       | $\vdash$            |   | <u> </u> |          | <u> </u>                                         |          | <u> </u> | <u> </u>     |          | l |
|       | 56                                                       |                     |   | ⊢        |          |                                                  |          | ļ        | <u> </u>     | ├        |   |
|       | 56<br>57<br>58<br>59                                     | $\vdash$            |   |          | -        | <u> </u>                                         | -        | _        | ├            | ├-       | l |
|       | 58                                                       |                     | _ | -        | -        | ļ                                                |          |          | <u> </u>     | _        | l |
|       | 59                                                       | ⊢                   | _ | ├        | _        | $\vdash$                                         | _        | -        |              |          |   |
|       | 60                                                       | <del>  -</del>      | _ | -        |          | <u> </u>                                         |          | <u> </u> | ⊢            | -        |   |
|       | 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67             |                     |   | ├—       | $\vdash$ | <del>                                     </del> | -        | -        | $\vdash$     | $\vdash$ | ľ |
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|       | 99                                                       | 1 1                 |   | l        | l        | ı                                                | ı        | ı        | ı            | 1        | t |

|     | CI       | aim                                                                | Date     |              |                                              |          |              |          |          |                |                 |  |
|-----|----------|--------------------------------------------------------------------|----------|--------------|----------------------------------------------|----------|--------------|----------|----------|----------------|-----------------|--|
|     |          | i l                                                                |          |              |                                              | ri       |              | Ī        |          |                | $\sqcap$        |  |
|     | Final    | Original                                                           |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 101<br>102                                                         |          |              |                                              |          | _            | _        | _        |                | $\vdash$        |  |
|     |          | 102                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 103                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 104                                                                | _        | Г            |                                              |          |              |          | _        | _              | Н               |  |
|     |          | 103<br>104<br>105                                                  |          | $\vdash$     |                                              |          |              |          |          |                | Н               |  |
|     |          | 106                                                                | _        | ┢            |                                              |          |              | -        | -        |                | H               |  |
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|     |          | 109                                                                |          |              |                                              |          |              |          |          |                | П               |  |
|     |          | 110                                                                |          | Т            |                                              |          |              |          |          |                | П               |  |
|     |          | 110<br>111                                                         |          |              |                                              |          |              |          |          |                | П               |  |
|     |          | 112                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 112<br>113                                                         |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 114<br>115<br>116                                                  |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 115                                                                |          |              |                                              | Г        |              |          |          |                |                 |  |
|     |          | 116                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 117                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 118                                                                |          |              |                                              | Г        |              |          |          |                | П               |  |
|     |          | 119                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 120                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 121                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 122                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125               |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 124                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 125                                                                |          |              |                                              |          |              |          |          |                |                 |  |
|     |          | 126                                                                |          | L            |                                              |          |              |          |          | <u> </u>       | Ш               |  |
|     |          | 127                                                                |          |              |                                              |          |              |          |          | L.             | Щ               |  |
|     |          | 128                                                                |          |              | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |              |          |          |                | Щ               |  |
|     |          | 129                                                                |          | _            | Щ                                            | _        |              | _        |          | <u> </u>       | Ш               |  |
|     |          | 130                                                                |          | L            |                                              | <u> </u> | Ш            |          |          | L_             | Ш               |  |
|     |          | 131                                                                |          | _            |                                              | _        | $\vdash$     |          |          |                | Ш               |  |
|     | نـــــا  | 132                                                                |          | <u> </u>     |                                              | L.       |              |          |          | L              | Ш               |  |
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|     |          | 149                                                                |          | $\vdash$     | $\vdash$                                     | $\vdash$ | $\vdash$     | -        | H        | $\vdash$       | Н               |  |
|     | <u> </u> | 150                                                                | $\vdash$ | ├-           | $\vdash$                                     | ├        | <del> </del> | -        | <u> </u> | <del> </del>   | Н               |  |
| ::: |          | ıσυ                                                                | ш        |              |                                              | L        | ш            |          |          | 1              |                 |  |